

IN THE CLAIM

No claim is currently amended

- 1 1. (Previously Presented) A method for allocating an N number of registers, comprising
2 the steps of:
3 identifying a first statement allocating registers, the first statement is
4 associated with a block of programming code;
5 identifying first parameters used in the first statement; and
6 by using the number N and the first parameters as inputs, generating
7 second parameters for use in a second statement to allocate the N
8 number of registers, which are for use in code instrumentation of
9 the block of programming code.
- 1 2. (Previously Presented) The method of claim 1 wherein the first parameters and the
2 second_parameters each include a parameter identifying a number I of input
3 registers, a parameter identifying a number L of local registers, and a parameter
4 identifying a number O of output registers.
- 1 3. (Previously Presented) The method of claim 2 wherein the step of generating the
2 second parameters comprises the step of modifying the number O of the first
3 parameters to generate the number O of the second parameters.
- 1 4. (Previously Presented) The method of claim 2 wherein the step of generating the
2 second parameters comprises the step of using the number N and the number O of
3 the first parameters as inputs in generating the number O of the second parameters.

1 5. (Previously Presented) The method of claim 2 wherein the number O of the second
2 parameters equals the number N plus the number O of the first parameters.

1 6. (Previously Presented) A computer-readable medium embodying instructions for
2 performing a method for allocating an N number of registers, the method
3 comprising the steps of:
4 identifying a first statement allocating registers, the first statement is
5 associated with a block of programming code;
6 identifying first parameters used in the first statement; and
7 by using the number N and the first parameters as inputs, generating
8 second parameters for use in a second statement to allocate the N
9 number of registers, which are for use in code instrumentation of
10 the block of programming code.

1 7. (Previously Presented) The computer-readable medium of claim 6 wherein the first
2 parameters and the second parameters each include a parameter identifying a
3 number I of input registers, a parameter identifying a number L of local registers,
4 and a parameter identifying a number O of output registers.

1 8. (Previously Presented) The method of claim 7 wherein the step of generating the
2 second parameters comprises the step of modifying the number O of the first
3 parameters to generate the number O of the second parameters.

1 9. (Previously Presented) The method of claim 7 wherein the step of generating the
2 second parameters comprises the step of using the number N and the number O of
3 the first parameters as inputs in generating the number O of the second parameters.

1 10. (Previously Presented) The method of claim 7 wherein the number O of the second
2 parameters equals the number N plus the number O of the first parameters.

1 11. (Previously Presented) A system allocating an N number of registers, comprising:
2 a first statement allocating registers, the first statement is associated with a
3 block of programming code;
4 means for identifying first parameters used in the first statement; and
5 means for generating second parameters for use in a second statement to
6 allocate the N number of registers, which are for use in code
7 instrumentation of the block of programming code;
8 wherein generating the second parameters uses the number N and the first
9 parameters as inputs.

1 12. (Previously Presented) The system of claim 11 wherein the first parameters and the
2 second parameters each include a parameter identifying a number I of input
3 registers, a parameter identifying a number L of local registers, and a parameter
4 identifying a number O of output registers.

1 13. (Previously Presented) The system of claim 12 wherein generating the second
2 parameters comprises modifying the number O of the first parameters to generate
3 the number O of the second parameters.

1 14. (Previously Presented) The system of claim 12 wherein generating the second
2 parameters comprises using the number N and the number O of the first
3 parameters as inputs in generating the number O of the second parameters.

- 1 15. (Previously Presented) The system of claim 12 wherein the number O of the second
- 2 parameters equals the number N plus the number O of the first parameters.